

REVIEW CHECKLIST for BASIS of DESIGN (BoD) REPORT

Date _____

Reviewer/RO: _____

Project Name _____ VPDES No: _____

Project Location: _____

1. Has the existing treatment facility been evaluated for Nutrient Reduction Technology.....YES (___) NO(___)
If so, by whom and when? _____
2. Have characteristics of influent and effluent wastewater been included?
.....YES (___) NO (___)
3. Was an alternative WWTP site (or regional facility) included as part of the evaluation?.....YES (___) NO (___)
4. Is a BoD evaluation required forTN (___), TP(___), or both (___)?
5. Has a process description and flow diagram been included for each treatment alternative?.....YES (___) NO(___)
6. Briefly list the treatment processes (and associated performance) considered for each tier/treatment level:

7. If the permit or Basis of Design reflects an expansion, was a comparison to the Cap nutrient loads made and was a discussion of trades/offsets included [if needed due to the expansion]?YES (___) NO(___)

8. Were the costs of each alternative presented in terms of their present worth value, including both the estimated capital and future operating costs?

.....YES (___) NO(___)

9. Has a discussion of the advantages and disadvantages, including costs to operate, been included for each alternative?.....YES (___) NO(___)

10. List the preferred alternative for each tier/level of performance.

11. Has justification for the selected alternative been provided, including a tabulated comparison of the alternatives and costs?.....YES (___) NO(___)

12. Does the Report appear to be in conformance with State Water Control Law & the SCATS Regulations (9VAC25-790)?YES(___) NO(___)

13. Although not required, a schedule for implementing the preferred alternative(s) *is suggested* for grant funded projects. Did the Report address timing for design and/or construction?YES(___) NO(___)

14. Summarize any deficiencies which should be addressed. If there are none, provide a copy of the letter to the owner indicating the document fulfills the requirements for the BoD Report.
